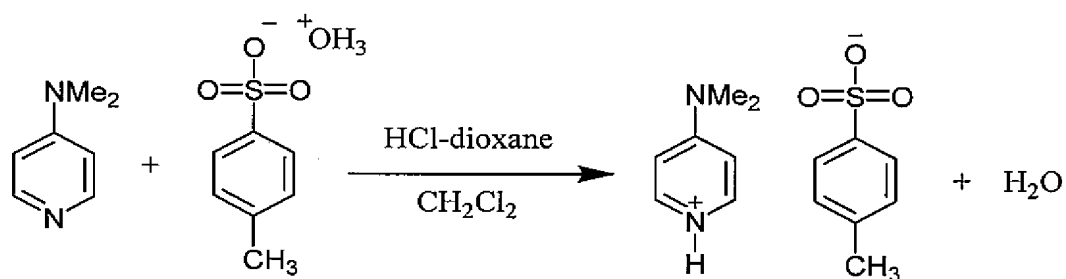
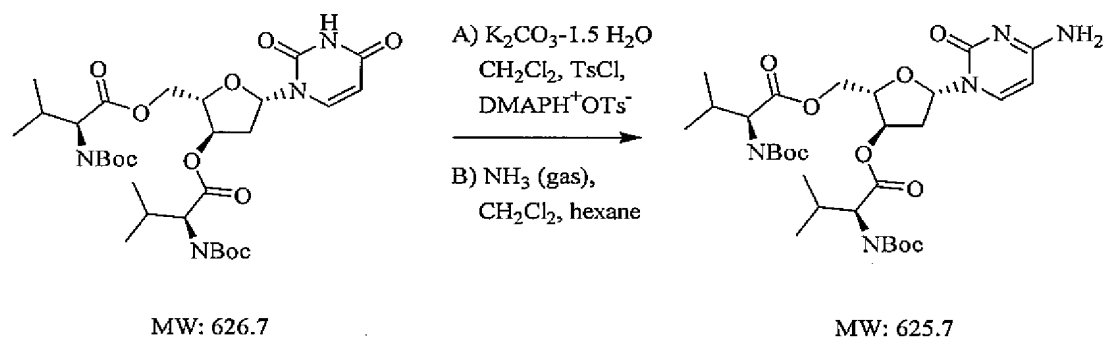
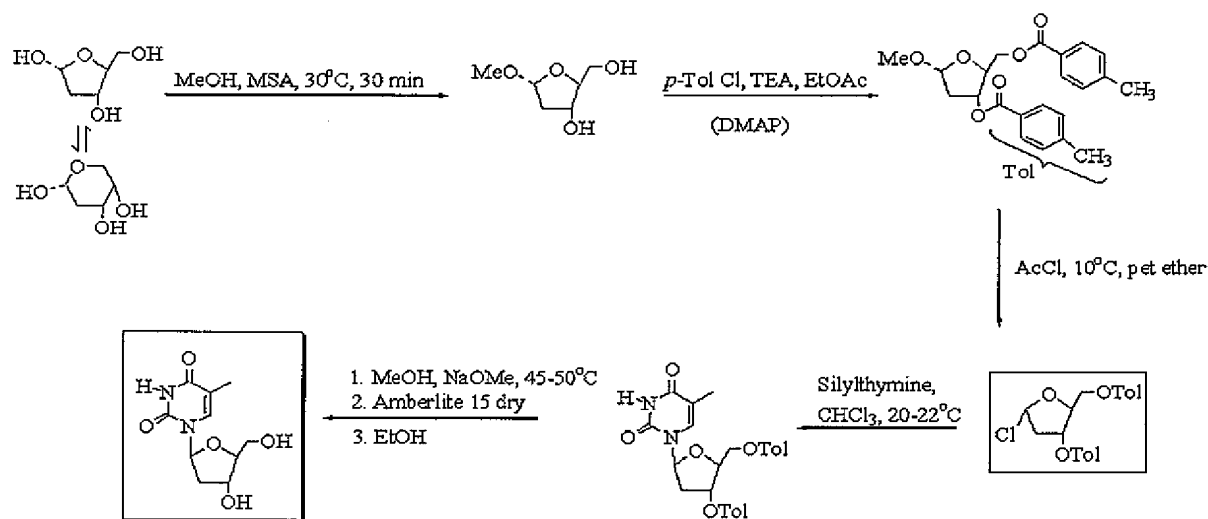


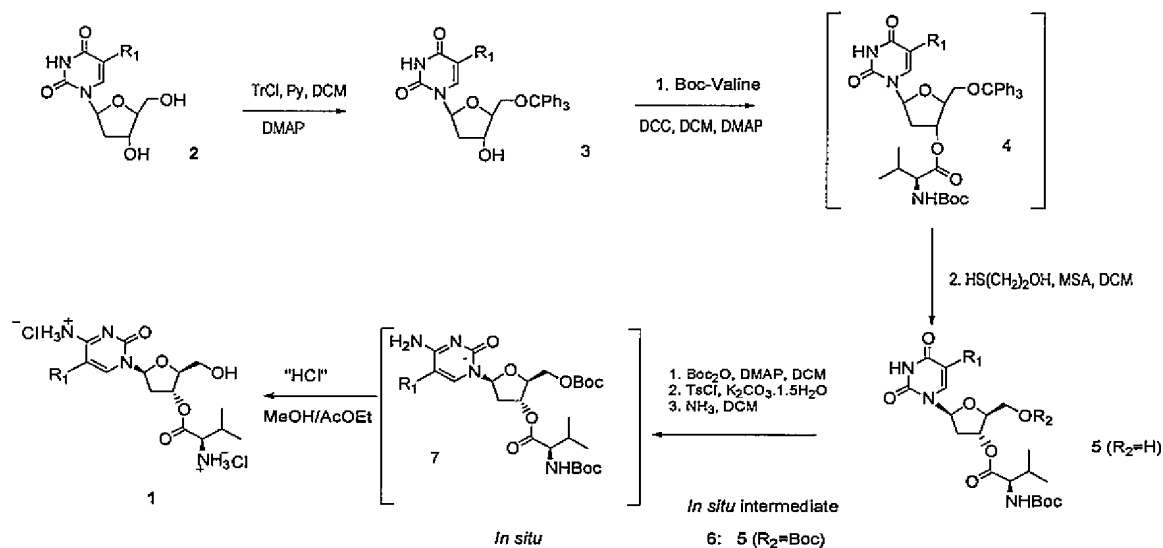
## REPLACEMENT SHEET 1 OF 2

**Figure 1:** Synthesis of 4-(*N,N*-dimethylamino)pyridinium 4-toluenesulfonate**Figure 2:** Synthesis of 3',5'-di-(Boc-L-valinyl)-L-2'-deoxycytidine

## REPLACEMENT SHEET 2 OF 2



**Figure 3:** Synthesis of 1- $\alpha$ -chloro-3,5-di-O-toluoyl-2-deoxy-L-ribose and coupling with silylated thymine.



**Figure 4:** Synthesis of 3'-O-L-valyl-2'-deoxy- $\beta$ -L-cytidine from 2'-deoxy- $\beta$ -L-uridine